

QSA-5

Founded 1933

The Marin Amateur Radio Society Monthly Newsletter

February 2010

Page 1

Pres' Msg?

Nope. Maybe in March.

MARS Website at W6SG.NET
Phone 415.389.6630
For ARRL SF Section news, go to
www.arrl.org/sections/?sect=SF

POBox 6423
San Rafael, CA 94903

Board Meeting, January 14, 2010

Here's the general info on PAVE PAWS. There were, we believe, forty-five attendees at the general meeting at the MARS clubhouse Friday 5 January for the presentation by USAF Capt. Leineger.



Key Facts

Headquarters Location

7 SWS is a geographically separated unit of the 21st Space Wing, located at Peterson AFB in Colorado Springs, CO

Secondary Mission

7 SWS performs space surveillance as a secondary mission. This involves detecting, tracking, cataloging, and identifying man-made objects orbiting the Earth.

Space Surveillance

Space surveillance accomplishes the following:

- Charts the present position of space objects & plots their anticipated orbital paths
- Predicts when and where a decaying space object will re-enter the Earth's atmosphere
- Prevents a returning space object, which to a radar looks like a missile, from triggering a false alarm in U.S. missile warning sensors and other countries.

7 SWS Contact Information

7th Space Warning Squadron
7400 Spencer Paul Rd.
Beale AFB, CA 95903
530-634-5277

7 SWS Leadership

Commander: Lt Col Corey Keppler
Director of Operations: Lt Col Kim Damalas

7th Space Warning Squadron
"Eyes to the West"

Our Mission

Provide 24 hour coverage for primary missions of Missile Warning and Missile Defense, and secondary mission of Space Surveillance.

President Randy Jenkins called the meeting to order at 1935 hours. Other board members present were Rich Carbine, Marilyn Bagshaw, Dave Hodgson, Norm Baetz, Phil Dunlap, John Boyd, Augie Koehler and Doug Slusher. Members present were Jerry Foster and Curtis Ardourel.

The ballots for this year's board election were counted and the following were elected: Jerry Foster WA6BXV, Curtis Ardourel WA6UDS, John Boyd KE6ORI and Horst Dannecker KA6BHZ.

After a brief discussion Curtis Ardourel WA6UDS is our new President, Jerry Foster WA6BXV is our Vice-President and Dave Hodgson KG6TCJ and Norm Baetz WA6CLK will retain their posts as Treasurer and Secretary.

The minutes for the December board meeting were approved. There was a call to applaud all who contributed to the success of our Christmas party and to our members and their guests who attended.

Dave gave the Treasurer's report which was approved. Dave also reported the MMWD will be raising rates this year.

Rich Carbine proposed a revision of check writing procedures on the club's general fund account. There was also a discussion on setting up a separate account for our grant money. It was decided not to do this as the balance will be close to zero when the contractor finishes the scheduled work on the clubhouse.

Membership renewal notices will be mailed soon to all members.

The next public service events will be: April 10 the Bridge to Bridge and May 1 the Miwok 100. The Dipsea race will be held on June 13.

Next page, column one.



7th Space Warning Squadron

Our Vision

Vigilance and Dominance in Commanding the Future



Mission Description

Provides critical, real-time missile warning, missile defense, attack assessment, and space situational awareness. Operates the upgraded early warning phased-array radar weapon system and continuously monitors Pacific Ocean approaches to North America for defensive counterspace. Detects, tracks, and identifies earth orbiting objects for the space superiority mission.

PAVE PAWS Radar System 103 Total Personnel
41 Military 5 Civilians 57 Contractors

K6GWE Repeaters
Big Rock Ridge 147.330 +
2 meters INPUTS
 pl 203.5 Big Rock
 pl 179.9 Mt. Tam west
 pl 167.9 Mt. Barnabe
 pl 192.8 Tiburon
San Pedro Ridge 147.330 +
 pl 173.8 off-line - reserve status.
Mt. Tamalpais 146.700 -
 pl 179.9 Mt. Tam input
440
San Pedro Ridge
 443.525 + pl 82.5
Mt. Tamalpais
 443.250 + pl 179.9

Board Meeting, cont.

The Tech committee reported that work was done on the San Pedro repeater to reduce power to fall in line with U.S. government requests. (PAVE PAWS)

There was a discussion of February's General meeting and it is hoped that an official of Beale AFB will be our guest speaker.

Nothing new on our truck committee. There has been interest in holding classes for new Techs and General class. V.E. classes will be held possibly in March, July and November.

There was a brief update on the latest county RACES news.

Rich W6UDS told of the latest updates on our kitchen remodeling. He also submitted his resignation as Building Manager but will continue to assist in any way he can. A new Building Mgr will be nominated soon.

We still need a Field Day chairman for this year's event to be held at the Marin Rod and Gun Club. The meeting was adjourned at 2105 hours. Submitted by Norm Baetz, Secretary.

Join the Elderfahrten Net Mondays and Thursdays at 0800 on 3892kc

A Wife asks her husband, How many women have you slept with? Husband proudly replies, Only you, Darling-With all the others, I was awake!

Hospital Visiting Hours are;
 10am - 4pm.

Historybit.

On 22nd January 1801 **Friedrich Clemens Gerke** was born in Os-nabruock, Germany. In the 1830s he revised the weird American Morse Code to its still today used form. Gerke was inspector of the optical and later the electrical telegraph between Ham-burg and Cuxhaven.
 Vy 73, Juergen, DL8HCI
 and Rolf, DL9CM

MARS Sunday morning check-ins are held at **10:00 on 3915kc** for HFers and at **10:15 on the 147.330 repeater** for all members and guests. Those members who are suffering from hangovers, are out of town or have a better thing or two to do on Sunday mornings are excused.

The clubhouse furnace fires up at 0700 Sundays as required so if you show up, you won't freeze your ass off. Take a chance. Come on down 0800 to 1100 +/- Ben N6PJZ has the place opened up before 0800.

Historybit. Really old stuff. 1940s.

Tom Mix Shredded Ralston Jingle
 (Tune - When the Bloom is on the Sage. AKA When It's Roundup Time in Texas)

Shredded Ralston for your breakfast
 Starts the day off shining bright
 Gives you lots of cowboy energy
 With a flavor that's just right
 It's delicious and nutritious
 Bite size and ready to eat
 Take a tip from Tom
 Go and tell your mom
 Shredded Ralston can't be beat.

The closest thing to this, later, is/was called Wheat Chex.

Clipped from the IJ. Look at the electric section of your last PG+E bill and find the service ID #, not your account number. Then go to www.pge.com/cc

THE WAYBACK MACHINE ISSUE #23
by Bill Continelli, W2XOY
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Cairo, Egypt, 1938. In the pre-war time of Colonial Empires, this conjures up an image of Europeans in white linen suits sitting on the veranda of a luxuriously decadent Colonial Hotel, oppressive ceiling fans, dark, mysterious strangers, Peter Lorie & Sidney Greenstreet. However, for amateurs, Cairo in 1938 meant a setback.

The first International Radiotelegraph Conference was held in Washington D. C. in 1927. Although amateurs lost almost 40% of their allocations, the concept of amateur radio as a legal, international hobby was established. The second Conference was held in Madrid in 1932, and produced no changes in ham radio. Now the third Conference was at hand, but times had changed. Italy, Germany, and Spain were under Fascist Dictatorships, Stalin was directing a ruthless purge in the Soviet Union, and Japan was at war with China. The short-waves were filled with propaganda broadcasts and military communications. Under this cloud of uncertainty, delegates from 71 countries assembled in Cairo on February 1, 1938. How would amateur radio be treated under these circumstances?

Actually, American hams came out of the battle with no major losses. Despite the number of Dictatorships at the Conference, there was no attempt to destroy amateur radio, which, after all, allowed individual citizens access to receivers and transmitters. The most serious threat came from Japan, which proposed that amateurs be limited to 50 watts input. The Japanese Plan was easily defeated. The ARRL had pushed for expanded HF bands, but the American Delegation, mindful of the potential hostility at the Conference, did not propose it.

The headlines in the July 1938 issue of QST summed up Cairo: "American Amateurs retain all frequencies after a terrific fight", "USA puts up splendid defense", "European Hams short

Next page, column one.

MAKE YOUR CHOICE

Anyone wanting to opt out and remain a customer of PG&E should visit www.pge.com/cc or phone 866-743-0335. To opt up, customers should visit www.marincleanenergy.info/deepgreen.cfm or call 888-632-3674.

changed by Greedy Governments", and, "European Broadcasting to invade 7 mc Band in late 1939". In Europe, the 7200--7300 kc segment of the 40-meter band would be shared with Broadcasters, starting September 1, 1939. They also lost half of the 80 meter band to broadcasting and other services, and the European 5 meter band was scaled back to make way for television. However, it could have been a lot worse. The next International Conference was set for Rome in 1942. It never took place.

In other 1938 news, the amateur population was stabilized at 50,000, after years of growth. This was partly due to the increase in the code speed, from 10 to 13 wpm in 1937. With regenerative receivers and crystal-controlled transmitters (which meant that two stations having a QSO would probably be on two separate frequencies), many hams felt that 50,000 was the saturation point for our bands.

On October 4, 1938, the FCC issued complete new amateur regulations. Included in the package were two new ham bands at 112 and 224 mc. What could hams do up there? Try amateur television. An all electronic form of television was replacing the mechanical "spinning disc", and QST carried several articles discussing the theory and construction of an amateur TV station. W6XAO was an experimental TV station in LA, which would soon be followed by other TV pioneers such as W2XBS. (Where have I heard that call before?).

On September 2, 1938, the new Maxim Memorial Station, W1AW, was dedicated at 225 Main Street in Newington, Ct.. The Station was in memory of Hiram Percy Maxim, the Founder and first President of the ARRL, who died in February 1936. Less than one month after Maxim's death, floods roared through the Connecticut River valley, and destroyed W1MK, which had been the League's Station. Later in 1936, the ARRL Board of Directors allocated \$18,000 to build a Memorial Station to honor W1AW, as well as to replace W1MK.

Column two.

The station would stand alone on Main St., in Newington, until joined in 1963 by the ARRL/QST Offices, which moved from West Hartford.

On September 13, 1938, Ross Hull, Editor of QST, died after being electrocuted in his home. He had been working on a homebrew TV receiver. Ross was a native of Australia and held the call 3JU while living "down under". He did not hold a U.S. license because his citizenship application was not finalized. Despite his lack of American Amateur privileges, Ross Hull was instrumental in early VHF/UHF developments. He designed practical and inexpensive 5-meter stations, and greatly contributed to the knowledge of VHF/UHF propagation. His death dramatically pointed out the dangers of working on live circuits and, for months thereafter, QST ran articles on how to "switch to safety".

No discussion of 1938 would be complete without including the Great Hurricane. In the fourth week of September, New England and Long Island, already soaked by previous rainstorms, were pounded by the unnamed Hurricane, which was completely unexpected. Over 600 people died, and damage was \$500 million in 1938 dollars. The new W1AW Memorial Station, just 3 weeks old, survived without any damage, although power was lost for 36 hours. Hundreds of amateurs grabbed whatever generators and batteries they could find, and set up emergency stations on 5-meters AM, and 160, 80 and 40 cw. Amateurs were the only source of communication for dozens of communities and handled everything from health and welfare traffic to police communications. It was a superb demonstration of public service at its best.

In our next installment, we will look at amateur radio in WWII. Yes, amateurs were off the air. But what did they do, if they weren't in uniform? What filled the pages of QST? And what was this "WERS"? Join me as the "Wayback Machine" seeks the truth.

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THIS OUGHT TO MAKE ALL GRANDPAS FEEL WARM & FUZZY.

A six year old goes to the hospital with her grandmother, to visit her Grandpa.

When they get to the hospital, she runs ahead of her Grandma and bursts into her Grandpa's room.

"Grandpa, Grandpa," she says excitedly, "As soon as Grandma comes into the room, make a noise like a frog!"

"What?" said her Grandpa. "Make a noise like a frog..... because Grandma said that as soon as you croak, we're all going to Disneyland "

Kinda brings a tear to your eye don't it?

A very old man lay dying in his bed. In death's doorway, he suddenly smelled the aroma of his favorite chocolate chip cookie wafting up the stairs.

He gathered his remaining strength and lifted himself from the bed. Leaning against the wall, he slowly made his way out of the bedroom, and with even greater effort forced himself down the stairs, gripping the railing with both hands.

With labored breath, he leaned against the door frame, gazing into the kitchen. Were it not for death's agony, he would have thought himself already in heaven.

There, spread out up on paper towels on the kitchen table were several dozen of his favorite chocolate chip cookies.

Was it heaven? Or was it one final act of heroic love from his devoted wife, seeing to it that he left this world a happy man?

Mustering one great final effort, he threw himself toward the table. The aged and withered hand, shaking, made its way to a cookie at the edge of the table, when he was suddenly smacked with a spatula by his wife.

"Stay out of those!" she yelled. "They're for the funeral."

Here is the 2010 public service schedule for the Marin club.

Saturday, April 10 - Ridge to Bridge - 5AM - 3 PM 7 Volunteers needed

Saturday, May 1 - Miwok 100K - 5AM - 10 PM 12 Volunteers needed

Saturday May 1 & Sunday May 2 - The Relay 3 PM - 6 AM 10 Volunteers needed (Contact Gary KG6JHS or Jerry WA6BXV)

Saturday, May 8 - The Human Race - 7:30 AM - 10:30 AM 6 Volunteers needed

Sunday, June 13 - The Dipsea - 7:00 AM - 2:00 PM 15 Volunteers Needed

Saturday, June 26 - The Double Dipsea - 8:00 AM - 3:00 PM 8 Volunteers needed

[June 25, 26, 27 ARRL Field Day including Friday setup. Location is Marin Rod & Gun Club.](#)

Saturday, August 7 - Marin Century/ Mt. Tam DC Ride -4:30 AM - 11:00 PM 25 Volunteers needed

Saturday, August 21 - Holstein 100 Ride 6:30 AM - 6:00 PM 20 Volunteers needed

Sunday, September 26 - Peak Hike 8:00 AM - 5 PM 8 Volunteers needed

Saturday, October 02 - Dolphin Club Escape from Alcatraz 10 AM- 5PM 8 Volunteers needed

Other opportunities:

Sunday May 02 - Grizzly Peak Century Ride - East Bay Hills - 7AM - 7PM
Contact Randy KA6BQF ka6bqf@arrl.net or Texx KG6ATH texx@delong.org

Questions:

Randy Jenkins, KA6BQF
ka6bqf@arrl.net
510 526.4089
VE Liason & Public Service Co-Coordinator
Marin Amateur Radio Society
www.w6sg.net

[Michael Fischer, K6MLF Co-Coordinator](#)
fischer@igc.org
415 383 5855

Summary of the DDO, Saturday, 01/09/10

Operators: Michael Fischer, K6MLF & Bill Stewart, KF6RMK

We activated NJ6VT around noon and 40 meters was busy with a contest on the CW band but there was still room for a few CQs. We made contact with W6VJJ, Rex, in Half Moon Bay who was a blind op and copying CW by memory. He is ex-navy and was aboard the Pampanito several years ago. 40 meter SSB was in good shape and Michael contacted the Hornet, NB6GC, on 7.260 kc for a fine QSO. The Hornet signed off and moved up a few KCs and we continued to take many calls on that frequency. Hornet gave our freq. to their contacts and we did the same for the Hornet which seemed to work well for both of us. Most of our calls were from 6 and 7 land and a few from Canada. About a quarter of the contacts were from the High Desert: Hemet, Ridgecrest, Henderson, San Bernardino, Riverside, Yucaipa, Redlands, etc... Three of our contacts from the NW had visited aboard *Pampanito* in the past.

The most memorable visits were by Doug, W6NMR, of Umatilla, OR who visited the boat on the day of 9/11 and Lee W7LAB, from Reno who took a turn as guest operator for a short QSO with VL7AGC in Canada.

We were the first HF contact for new general licensee Omer, KI6YZJ, of Lakeside, CA.

We logged about 32 QSOs Most of them on 40 meters, however 80 meters was coming alive in the late afternoon and we had a nice QSO with Marty, W6ZD in Aptos running a KW.

The AM guys were on 3.870 but way too long winded for a break in. Maybe next time.

Traffic through the boat was spotty in early afternoon due to the gloomy day but picked up later on with a number of visitors from Australia, New Zealand, England, Japan and one couple from Northern Germany – Bergisch Gladbach, Heidi Klum's , home town.

Also, we had two contacts from a fella in Newport Beach who was running QRP with one (ONE) watt on LSB! It took two contacts, an hour apart, to finally get all of his info.

We signed out and closed down NJ6VT around 4:15 pm

Bill Stewart, KF6RMK

Radioman,

USS Pampinito A.R.C.

Communications: Kon-Tiki, 1947

The expedition, with the amateur radio call sign of LI2B, maintained regular communication with a number of American, Canadian, and South American stations that kept the Norwegian Embassy in Washington, D.C., abreast of **Kon-Tiki's** efforts. The success of these contacts was due to the skill of former World War II Norwegian underground radio operators, Knut Haugland, and Torstein Raaby. On August 5, Haugland contacted Oslo, Norway, for a circuit of about 10,000 miles. (Knut Haugland, the last surviving member of the voyage, became a SK in late 2009.)

The expedition carried three watertight radio transmitters. The first operated on the 40 and 20 meter band, the second on 10 meters, and the third on 6 meters. Each unit was made up entirely of **2E30** vacuum tubes providing 10 watts of RF input. As an emergency backup they also carried a German Mark V transceiver originally re-created by the SOE (Special Operations Executive) in 1942. Power was supplied by batteries and a hand-cranked generator.

The Kon Tiki's radio receiver was a National Radio Company NC-173. In his book "Kon-Tiki" (Rand-McNally 1950, p. 263), Thor Heyerdahl describes the NC-173 slowly drying out on an uninhabited South Sea island after getting soaked in a shipwreck, gradually receiving at higher and higher frequencies until eventually settling on the 13.990 MHz frequency needed to make contact. The crew used their hand-cranked emergency transmitter to send out an "all well, all well" message via LI2B just in time to head off a massive rescue attempt.

The National Radio Company, headquartered in Malden, Massachusetts, USA was an American manufacturer of radio equipment from 1914 to 1991.

2E30 is a 7 pin miniature. Max.: plate 250 V., RF in 10w. 7.5w out. Fast heat cathode. RF-AF amp. Raytheon. The 2E24, fast heat cathode, more familiar to hams. octal base, 13.5w input. 600 max plate volts. VHF osc-amp. Worked fine on 3885kc in our bootleg mobile setup, early 1960s. RCA

QSA-5 February 2010

General Membership Meeting is held on the first Friday of each month at Alto District Clubhouse at 27 Shell Road in Mill Valley, starting at 7:30 PM. Turn right at the first stop light west off hwy 101 from the Mill Valley/Tiburon exit. Angle right at next stop sign, then turn left at next street, Shell Road. We are in the two story building on the left directly under the power lines.

Business/Board Meeting meets at the Alto District Clubhouse in Mill Valley on the second Thursday at 7:30 PM. Members are encouraged to attend to try to keep the clowns honest.

Sunday morning informal meeting, grinningly called the bible/babble class, meets every Sunday morning at the Alto District Clubhouse in Mill Valley starting at roughly 0800 hours and runs to around 1100 hours +or-. Sometimes we even talk about radio. This weekly event is hosted by **Ben Sawtelle N6PJZ**, our Ham of The Year in 1996, whose absence would be the result of serious disease, dismemberment or flooding, only. So far, he hasn't forgotten how to get to the clubhouse.

Dues structure is: \$25. per year. \$30. for family memberships. No dues are charged for Life or Honorary members.

<p>Marin Amateur Radio Society President: Randy Jenkins KA6BQF 510-526-4089</p> <p>Vice President: Horst Dannecker KH6BHZ</p> <p>Secretary: Norm Baetz WA6CLK 898-4887</p> <p>Treasurer: Dave Hodgson KG6TCJ 332-1864</p> <p>Additional Board Members: Marilyn Bagshaw N6VAW 479-3136 John Boyd KE6ORI Rich Carbine W6UDS 479-3136 Phil Dunlap K6PHD 491-0318 Justin Smith AF6NY</p>	<p>Education Chair: Ben Sawtelle N6PJZ 382-1170 kermode7@hotmail.com</p> <p>Membership: Dave and Phil</p> <p>VE Liaison: Randy Jenkins KA6BQF 510-526-4089</p> <p>Bldg. Manager Rich Carbine W6UDS 479-3136</p> <p>Trustee for W6SG: Augie Koehler KØCQL</p> <p>Trustee for K6GWE: Doug Slusher KF6AKU</p> <p>Sunday Emergency Nets: HF Ben's been doing both. VHF</p>	<p>DX Representative of ARRL: Jerry Foster WA6BXV 892-3829</p> <p>WEBMASTER Glenn Meader N1ZKW 987-3948 N1ZKW@ARRL.NET</p> <p>Public Service Event Coordinator Randy Jenkins KA6BQF 510-526-4089</p> <p>ARRL San Francisco Section Mgr. Bill Hillendahl KH6GJV@ARRL.ORG</p> <p>Editor of QSA-5 and Procurer of The Bellywash Phil Dunlap K6PHD 491-0318 K6PHD@ARRL.NET</p>
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Marin Amateur Radio Club, Inc.
P. O. Box 6423
San Rafael, CA 94903

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The Mailing
 Address
 Goes Here